

## (4) Results

```
Please enter 10 numbers to be sorted
Please enter #1:  2
Please enter #2:  5
Please enter #3:  1
Please enter #4:  9
Please enter #5: 30
Please enter #6: -6
Please enter #7:  0
Please enter #8: 23
Please enter #9: -11
Please enter #10: -90
```

The initial capacity is 10.

But!!!!

If you continue this program, you can CUSTOMIZE the SIZE of your array!

The array of UNSORTED numbers is: 2 5 1 9 30 -6 0 23 -11 -90

How would you like to print the sorted numbers?

Type '0' Descending order or '1' Ascending order: 0

The array of SORTED number is: 30 23 9 5 2 1 0 -6 -11 -90

Done!!!!

Do you want to continue?

Type '1' yes or Type '0' no: 1

The default capacity was 10. The maximum capacity is also 10.  
Now, it is your turn to enter the new capacity of array: 9

```
Please enter #1: 34
Please enter #2: 23
Please enter #3:  4
Please enter #4: 45
Please enter #5:  2
Please enter #6:  1
Please enter #7:  3
Please enter #8:  0
Please enter #9:  0
```

There are 9 numbers added in a resizable array. Now,

The array of UNSORTED numbers is: 34 23 4 45 2 1 3 0 0

How would you like to print the sorted numbers?

Type '0' Descending order or '1' Ascending order: 0

This is the array in DESCENDING SORTED order: 55 45 34 23 4 3 2 1 0 0

Done!!!!

Do you want to continue?

Type '1' yes or Type '0' no: 0

Bye bye!!!

See you later!!!!

-- program is finished running --

First Scenario

Please enter 10 numbers to be sorted

Please enter #1: 34  
Please enter #2: 32  
Please enter #3: 12  
Please enter #4: 4  
Please enter #5: 5  
Please enter #6: 67  
Please enter #7: 45  
Please enter #8: 0  
Please enter #9: 54  
Please enter #10: -1

The initial capacity is 10.

But!!!!

If you continue this program, you can CUSTOMIZE the SIZE of your array!

The array of UNSORTED numbers is: 34 32 12 4 5 67 45 0 54 -1

How would you like to print the sorted numbers?

Type '0' Descending order or '1' Ascending order: 45

Invalid!!!

Please enter only '1' Ascending order or '0' Descending order

How would you like to print the sorted numbers?

Type '0' Descending order or '1' Ascending order: -9

Invalid!!!

Please enter only '1' Ascending order or '0' Descending order

How would you like to print the sorted numbers?

Type '0' Descending order or '1' Ascending order: 0

This is the array in DESCENDING SORTED order: 67 54 45 34 32 12 5 4 0 -1

Done!!!!

Do you want to continue?

Type '1' yes or Type '0' no: 45

Invalid!!!

Please enter only '1' Yes or '0' No

Do you want to continue?

Type '1' yes or Type '0' no: -3

Invalid!!!

Please enter only '1' Yes or '0' No

Do you want to continue?

Type '1' yes or Type '0' no: 1

The default capacity was 10. The maximum capacity is also 10.

Now, it is your turn to enter the new capacity of array: 8

Please enter #1: 24

Please enter #2: 345

Do you want to continue?

Type '1' yes or Type '0' no: 1

The default capacity was 10. The maximum capacity is also 10.

Now, it is your turn to enter the new capacity of array: 43

Invalid!!!!

Please enter the size of a new array in the range:(0 < Capacity of the array < 10)

The default capacity was 10. The maximum capacity is also 10.

Now, it is your turn to enter the new capacity of array: -2

Invalid!!!!

Please enter the size of a new array in the range:(0 < Capacity of the array < 10)

The default capacity was 10. The maximum capacity is also 10.

Now, it is your turn to enter the new capacity of array: 0

Invalid!!!!

There is no new element added!

Please enter the size of a new array in the range:(0 < Capacity of the array < 10)

The default capacity was 10. The maximum capacity is also 10.

Now, it is your turn to enter the new capacity of array: 5

Please enter #1: 23

Please enter #2: 2

Please enter #3: 23

Please enter #4: 23

Please enter #5: 2

## Second Scenario (Handle Exceptions)